

## Michigan Cybersecurity Update



David Behen, DTMB Director & CIO  
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Captain David Kelly, Michigan State Police

# Cyber Attacks Globally

September 22, 2016

## Target: □ data customer

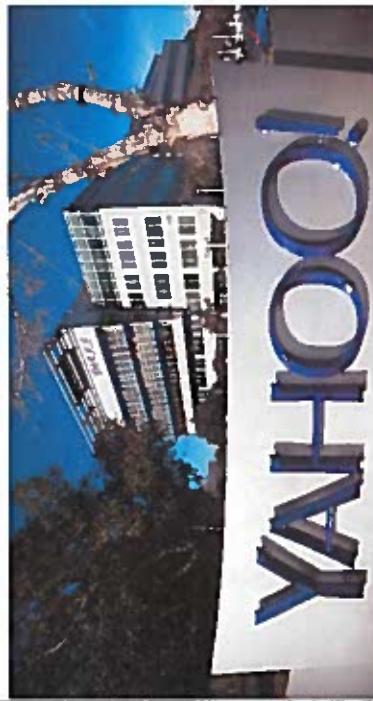
AP January 10, 2014 1:21  
China Grid With 2 million Twitter password massive hack

New

Yahoo reveals 'massive' hack of user data

NYT

Posted: Mar 01 Updated: Mar 01



hacked into Yahoo's data centers, the company said. But Yahoo only recently discovered the break-in as part of an ongoing internal investigation.

The stolen data includes users' names, email addresses, telephone numbers, birth dates, hashed passwords, and the security questions—and answers—used to verify an accountholder's identity.

Last month, the tech site Motherboard reported that a hacker who uses the name "Fleecie" boasted that he had account information belonging to 200 million Yahoo users and was trying to sell the data on the web.

Yahoo recommends that users change their passwords if they haven't done so since 2014. The Sunnyvale, California, company said its investigation so far hasn't found any evidence that information about users' bank accounts or credit and debit cards were swiped in the hacking attack. It said it has "no evidence" that the attacker is still in Yahoo's network.

70M

## cyber attack target of Europe e East

nd Security Editor

[AP]—Yahoo said hackers stole personal information from 500 million of its user accounts, # massive security breakdown if attributed to a "state sponsored actor." The breach disclosed today, the latest setback for the beleaguered internet company dates back to late 2014.

A report from FireEye, a US-listed cyber security company, said 17 per cent of all advanced persistent attacks (APTs) detected

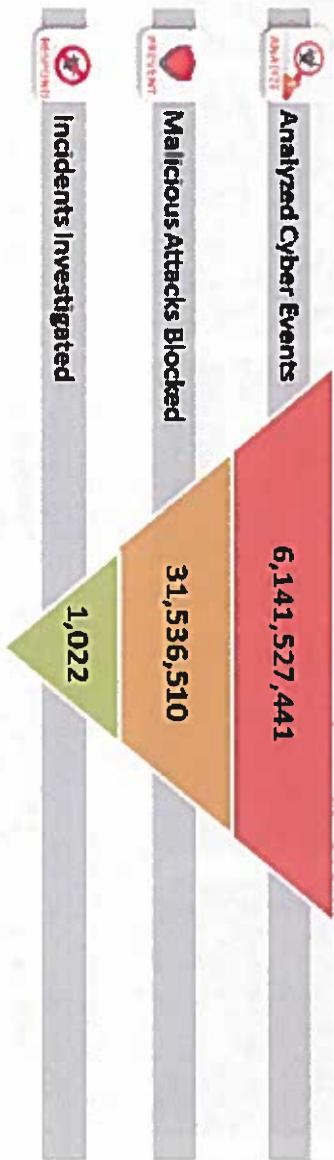
in Britain suffered significantly more sophisticated cyber attacks in the first half of the year than any other state in Europe or the Middle East (Emea). A report from FireEye, a US-listed cyber security company, said 17 per cent of all advanced persistent attacks (APTs) detected in Britain were directed against the UK.

**DTMB**

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# Cyber Attacks Locally

## Average Monthly Figures in Michigan:



**DTMB blocks an average of 1.5 million malicious attacks every day**



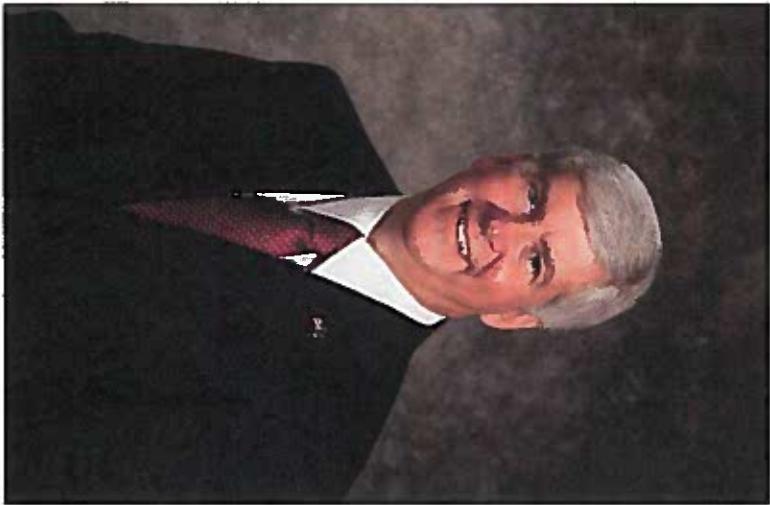
## State of Michigan Cybersecurity Ecosystem

Governor Rick Snyder



All working collaboratively to protect the State of Michigan, coordinate with other public, private, and governmental partners for shared situational awareness, enabling integrated operational actions.

# Governor Snyder National Cyber Leader



- Launched Cyber Initiative 2011 and updated it in 2015.
- Established and co-chairs the National Governors Association Resource Center for State Cybersecurity.
- Michigan's Cyber Disruption Response Plan recognized for the 2017 NASCIO Cybersecurity and the CSO50 Awards.
- Co-chair of Homeland Security and Public Safety Committee of National Governors Association (2014)
- Michigan received an 'A' on the 2016 Digital States Survey.

# Michigan Making Strides

- Launched Michigan Cyber Range
- Announced the Regional Cybersecurity Education Collaboration (RCEC)
  - Pilots starting at Northern, Central and Wayne State Universities.
- Launched the Michigan High School Cyber Challenge
- Developed CIO/CSO Kitchen Cabinets
- Formed the Michigan Financial Industry Cybersecurity and Healthcare Cybersecurity Councils
- Established the Governor's Cybersecurity Dashboard
- Annual North American International Cyber Summit held each fall, bringing together cyber leaders from around the world



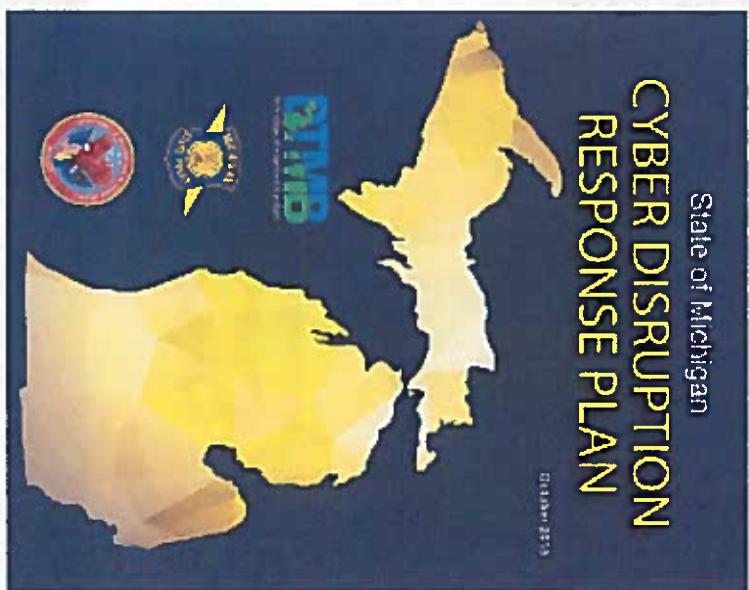
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# Michigan Cyber Disruption Response Plan

- Widely regarded as a national model and has been showcased at several national events

- Protects the health, safety, and economic interests of Michigan's residents and organizations

- Reduces the impact of disruptive cyber-related events through response, mitigation, planning, awareness, and implementation.

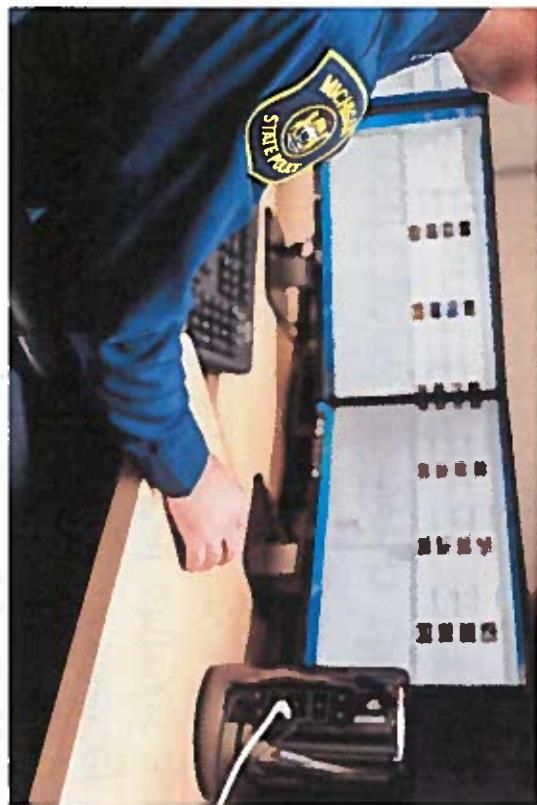


## Michigan Cyber Civilian Corps (MiC3)

- Trained cyber professionals who volunteer to provide expert assistance in times of cyber emergency
- Currently there are over 50 members, but Michigan plans to increase membership to 200 members
- Michigan is working with national subject matter experts to develop a first of its kind "Good Samaritan" model legislation.



# Cyber Partner – Michigan State Police



- Michigan Cyber Command Center (MC3)
  - MC3 is the resource for cybersecurity and cyber crime investigations, awareness for critical infrastructure; federal, state, and local government entities; other public and private sectors; and citizens of the State of Michigan



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## Cyber Partner – Michigan State Police

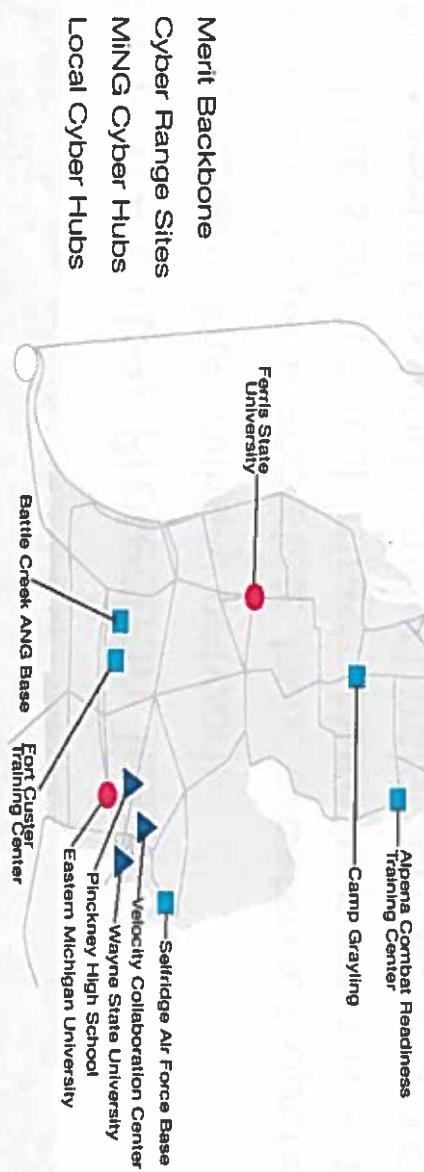
- Computer Crimes Unit (CCU)
  - CCU is the statewide leader in responding to and investigating technology digital crimes and in providing forensic data recovery assistance to local, county, and state law enforcement agencies
- Internet Crimes Against Children Task Force (ICAC)
- In partnership with the CCU, the ICAC is a collection of state, local, and federal partners concentrating on child sexually abusive material trafficking as well as child sex exploitation investigations.



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# Cyber Partner – DMVA

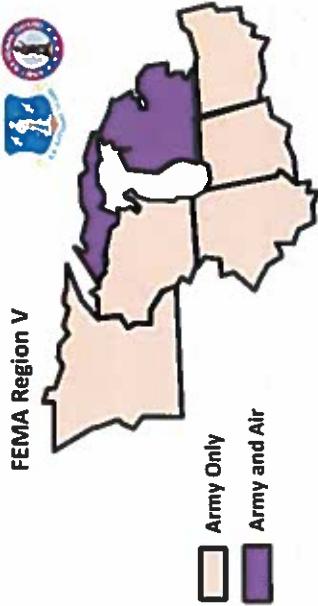
## Michigan Cyber Range Hub Sites



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## Cyber Partner – DMVA

- Army and Air Force Cyber Protection Teams
  - Responsible to defend the military network.
  - In compliance with federal and state laws, cyberspace operations may expand to include state critical infrastructure inspections, interagency vulnerability assessments, and conduct train, advise, and assist support to state or local government.
- European Partners
  - Latvia, Estonia, Lithuania

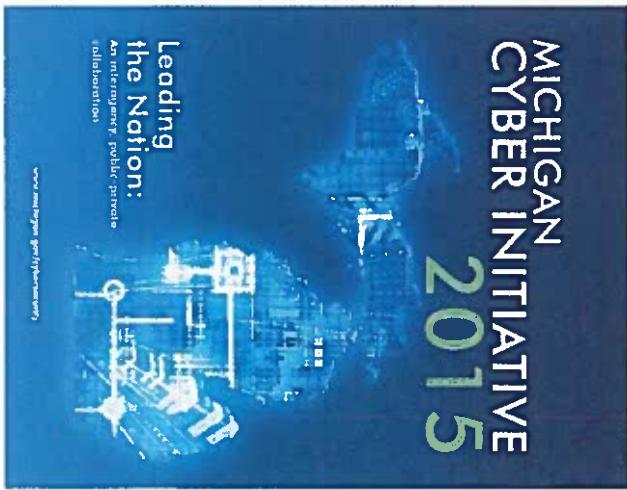


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## What's Next

To remain an innovative state in cybersecurity, Michigan will:

- Create a ubiquitous log management system, or cyber hub, to leverage advanced and predictive analytics
- Expand the Digital Forensic Analyst program at MSP
- Model the Michigan High School Cyber Challenge after the First Robotics Program.
- Develop a Chief Information Security Officer as a service to support local governments
- Build a cyber-focused workforce by continuing efforts of the RCEC
- Expand and encourage the adoption of STEM curriculum to target P-20 students



[www.michigan.gov/cybersecurity](http://www.michigan.gov/cybersecurity)

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# MI Cyber Executive Team Members

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